

Cross Multiplication

Solve for x .

a $\frac{x}{5} = \frac{5}{2}$

b $\frac{2x}{6} = \frac{4}{3}$

c $\frac{9}{6} = \frac{x}{2}$

d $\frac{2}{10} = \frac{10}{x}$

e $\frac{8}{4} = \frac{2}{x}$

f $\frac{x}{8} = \frac{10}{2}$

g $\frac{x+2}{4} = \frac{2}{3}$

h $\frac{2x+1}{2} = \frac{5}{2}$

i $\frac{x+2}{x+3} = \frac{2}{5}$

j $\frac{9}{4} = \frac{2x+1}{x-1}$

Cross Multiplication

Answers

$$\text{a} \quad \frac{x}{5} = \frac{5}{2}$$

$$\underline{x = \frac{25}{2}}$$

$$\text{b} \quad \frac{2x}{6} = \frac{4}{3}$$

$$\underline{x = 4}$$

$$\text{c} \quad \frac{9}{6} = \frac{x}{2}$$

$$\underline{x = 3}$$

$$\text{d} \quad \frac{2}{10} = \frac{10}{x}$$

$$\underline{x = 50}$$

$$\text{e} \quad \frac{8}{4} = \frac{2}{x}$$

$$\underline{x = 1}$$

$$\text{f} \quad \frac{x}{8} = \frac{10}{2}$$

$$\underline{x = 40}$$

$$\text{g} \quad \frac{x+2}{4} = \frac{2}{3}$$

$$\underline{x = \frac{2}{3}}$$

$$\text{h} \quad \frac{2x+1}{2} = \frac{5}{2}$$

$$\underline{x = 2}$$

$$\text{i} \quad \frac{x+2}{x+3} = \frac{2}{5}$$

$$\underline{x = -\frac{4}{3}}$$

$$\text{j} \quad \frac{9}{4} = \frac{2x+1}{x-1}$$

$$\underline{x = 13}$$